

Certificate of Analysis

Date of Testing: 2024-12-16 15:37:28

Date of Next Testing: 2028-12-15 15:37:28

Product Name: **5-Methyluridine**

CAS Number: 1463-10-1

Specifications & Purity: $\geq 99\%$

Lot #: A2128194

SKU #: **M101429**

Version: **1**

Analysis #: **450115**

Parameter	Limit Values	Result
A250/A260	0.6-0.68	0.60
Heavy metal (as Pb)	0-10 (ppm)	5.20 ppm
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in W/V in } 0.2N \text{ NaOH})$	-18.4--18.2 ($^{\circ}$)	-18.20 $^{\circ}$
Loss on drying	0-0.5 (%)	0.32 %
Melting point	182-190 ($^{\circ}C$)	186.01000 $^{\circ}C$
Ignition Residue (as sulfate)	0-0.3 (%)	0.10 %
A280/A260	0.67-0.75	0.68
Purity(HPLC)	98-100 (%)	99.00100 %
Appearance (M101429)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager